

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTRECEIVED
JUN 25 2019FORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 2018

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-drill an inactive well. Use form 3160-3 (APD) for such proposals.

DISTRICT 7 - ARTESIA O.C.D.

5. Lease Serial No.
NMNM1372

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.
WARREN ANW FED 29. API Well No.
30-015-28147-00-S210. Field and Pool or Exploratory Area
N SEVEN RIVERS-GLOR-YESO11. County or Parish, State
EDDY COUNTY, NM

SUBMIT IN TRIPLICATE - Other instructions on page 2

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other2. Name of Operator
EOG Y RESOURCES INCContact: JEREMY HAASS
E-Mail: jeremy_haass@eogresources.com3a. Address
104 S 4TH STREET
ARTESIA, NM. 882103b. Phone No. (include area code)
Ph: 575-748-4311

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec 9 T19S R25E SWSW 660FSL 660FWL

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

TYPE OF ACTION

☒ Notice of Intent☐ Subsequent Report☐ Final Abandonment Notice☐ Acidize☐ Alter Casing☐ Casing Repair☐ Change Plans☐ Convert to Injection☐ Deepen☐ Hydraulic Fracturing☐ New Construction☒ Plug and Abandon☐ Plug Back☐ Production (Start/Resume)☐ Reclamation☐ Recomplete☐ Temporarily Abandon☐ Water Disposal☐ Water Shut-Off☐ Well Integrity☐ Other

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and/or vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-5 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.

1. POOH w/ production equipment

2. Make GR and JB run to 2,240 ft

3. Plug 1: RIH w/ WL and set CIBP at 2,220 ft. Spot a 25sx Class C cmt plug on top of CIBP at 2,070

ft - 2,220 ft. WOC and tag. Open perms and Glorieta plug

4. Load the hole w/ plugging mud and pressure test csg

5. Plug 2: RIH w/ WL and perforate at 1,160 ft. Attempt to establish an injection at 1,160 ft. Spot a 25sx

Class C cmt plug at 1,010 ft - 1,160 ft. WOC and tag. 9.5/8 Csg shoe plug

6. Spot a 25sx Class C cmt plug at 620 ft - 770 ft. San Andres plug

7. Spot a 25sx Class C cmt plug at 150 ft - Surface

8. Cut off wellhead and weld on DHM per COA. Clean location as per regulation

Carlsbad Field Office
OCD ArtesiaGC 6/26/19
Accepted for record - NMOC

See Revised Procedure

14. I hereby certify that the foregoing is true and correct.

Electronic Submission #466357 verified by the BLM Well Information System

For EOG Y RESOURCES INC, sent to the Carlsbad

Committed to AFMSS for processing by PRISCILLA PEREZ on 05/22/2019 (19PP2214SE)

Name (Printed/Typed) JEREMY HAASS

Title REGULATORY SPECIALIST

Signature (Electronic Submission)

Date 05/22/2019

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By ZOTA STEVENS

Title PETROLEUM ENGINEER

Date 05/23/2019

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office Carlsbad

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED **

API:	30-015-28147
GL:	3527
KB:	

CASING DETAIL

Perforation Detail

TBG Detail

Rod Detail

ADDITIONAL DETAIL

Prepared by: JDE

Warren ANW Federal #2

Sec-TWN-RNG: 9-19S-25E
FOOTAGES: 660' FSL & 660' FWL

API: 30-015-28147
GL: 3527
KB:

COMMENTS
Plug #4: Surface plug

Plug #3: SA top

Plug #2: 9 5/8 CSG Shoe

Plug #1: Open perfs & Glorieta

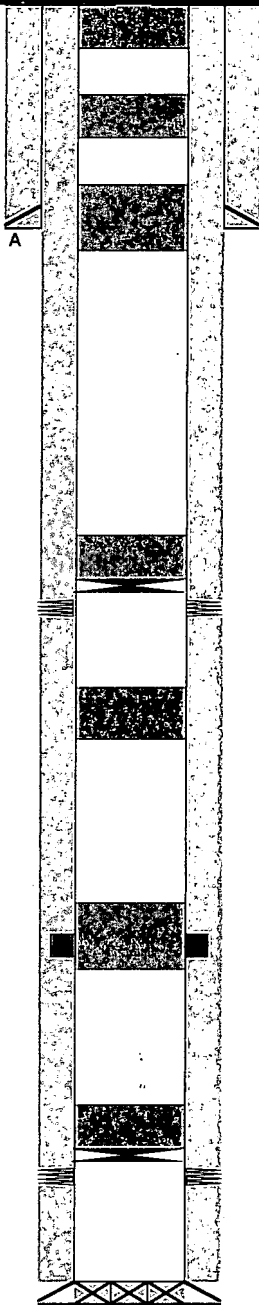
Yeso Perfs: 2274-2448

30sx plug @ 3567-3745

100sx plug @ 5462-6059
DV tool @ 6004'

CIBP @ 7729 w/ 25sx

Canyon Perfs: 7779-7814



PBTD: 3,567 MD
TD: 8,260 MD

CASING DETAIL

#	HOLE SIZE	SIZE	WGHT	GRADE	Top	Bottom	Sx Cmt	Circ/TOC	TOC by
A	14 3/4	9 5/8	36	J-55	0	1,108	1100	Circ	
B	8 3/4	7	26 & 23	N-80&J-55	0	8,260	1350	Circ	
7" CSG Detail from bottom to top									
	16 its	64 its	90 its	32 its					
	7" 26# N-80	7" 26# J-55	7" 23# J-55	7" 26# J-55					

FORMATION TOPS

FORMATION	TOP								
San Andres	714								
Glorieta	2171								
BS	3703								
Wolfcamp	5523								
Canyon Lime	7641								

Perforation Detail

Formation	Top	Bottom	Treatment	Notes
Canyon	7779	7814	10000 gal 20% NEFE	
Yeso	2274	2448	3000 gal 20% HCL & frac w/ 7131 BBL & 168,000# sand	

Plugs

#	SX	CMT CLASS	TOP	BTM	DESCRIPTION
1	25	C	2070	2220	CIBP w/ 25sx. Perfs & Glorieta Top. WOC & tag
2	25	C	1010	1160	9 5/8 CSG Shoe. Perf @ 1160 & attempt inj rate. WOC & tag
3	25	C	620	770	San Andres top.
4	25	C	0	150	Surface plug

ADDITIONAL DETAIL

DV tool set @ 6004'
Plugged back from Canyon to Yeso in 2011

Prepared by: JDE

5/22/2019

BUREAU OF LAND MANAGEMENT
Carlsbad Field Office
620 East Greene Street
Carlsbad, New Mexico 88220
575-234-5972

Permanent Abandonment of Federal Wells
Conditions of Approval

Failure to comply with the following Conditions of Approval may result in a Notice of Incidents of Noncompliance (INC) in accordance with 43 CFR 3163.1.

1. Plugging operations shall commence within ninety (90) days from the approval date of this Notice of Intent to Abandon.

If you are unable to plug the well by the 90th day provide this office, prior to the 90th day, with the reason for not meeting the deadline and a date when we can expect the well to be plugged. Failure to do so will result in enforcement action.

The rig used for the plugging procedure cannot be released and moved off without the prior approval of the authorized officer. Failure to do so may result in enforcement action.

2. **Notification:** Contact the appropriate BLM office at least 24 hours prior to the commencing of any plugging operations. For wells in Chaves and Roosevelt County, call 575-627-0272; Eddy County, call 575-361-2822; Lea County, call 575-393-3612.

3. **Blowout Preventers:** A blowout preventer (BOP), as appropriate, shall be installed before commencing any plugging operation. The BOP must be installed and maintained as per API and manufacturer recommendations. The minimum BOP requirement is a 2M system for a well not deeper than 9,090 feet; a 3M system for a well not deeper than 13,636 feet; and a 5M system for a well not deeper than 22,727 feet.

4. **Mud Requirement:** Mud shall be placed between all plugs. Minimum consistency of plugging mud shall be obtained by mixing at the rate of 25 sacks (50 pounds each) of gel per 100 barrels of **brine** water. Minimum nine (9) pounds per gallon.

5. **Cement Requirement:** Sufficient cement shall be used to bring any required plug to the specified depth and length. Any given cement volumes on the proposed plugging procedure are merely estimates and are not final. Unless specific approval is received, no plug except the surface plug shall be less than 25 sacks of cement. Any plug that requires a tag will have a minimum WOC time of 4 hours.

In lieu of a cement plug across perforations in a cased hole (not for any other plugs), a bridge plug set within 50 feet to 100 feet above the perforations shall be capped with 25 sacks of cement. If a bailer is used to cap this plug, 35 feet of cement shall be sufficient. **Before pumping or bailing cement on top of CIBP, tag will be required to verify depth. Based on depth, a tag of the cement may be deemed necessary.**

Unless otherwise specified in the approved procedure, the cement plug shall consist of either Neat Class "C", for up to 7,500 feet of depth or Neat Class "H", for deeper than 7,500 feet plugs.

6. Dry Hole Marker: All casing shall be cut-off at the base of the cellar or 3 feet below final restored ground level (whichever is deeper): **The BLM is to be notified a minimum of 4 hours prior to the wellhead being cut off to verify that cement is to surface in the casing and all annuluses. Wellhead cut off shall commence within ten (10) calendar days of the well being plugged. If the cut off cannot be done by the 10th day, the BLM is to be contacted with justification to receive an extension for completing the cut off.**

The well bore shall then be capped with a 4-inch pipe, 10-feet in length, 4 feet above ground and embedded in cement, unless otherwise noted in COA (requirements will be attached). The following information shall be permanently inscribed on the dry hole marker: well name and number, name of the operator, lease serial number, surveyed location (quarter-quarter section, section, township and range or other authorized survey designation acceptable to the authorized officer such as metes and bounds).

7. Subsequent Plugging Reporting: Within 30 days after plugging work is completed, file one original and three copies of the Subsequent Report of Abandonment, Form 3160-5 to BLM. The report should give in detail the manner in which the plugging work was carried out, the extent (by depths) of cement plugs placed, and the size and location (by depths) of casing left in the well.

Show date well was plugged.

8. Trash: All trash, junk and other waste material shall be contained in trash cages or bins to prevent scattering and will be removed and deposited in an approved sanitary landfill. Burial on site is not permitted.

Following the submission and approval of the Subsequent Report of Abandonment, surface restoration will be required. See attached reclamation objectives.